

Workshop to Identify Strategies to Get to Net Zero Energy Homes

September 14, 2011 • National Institute of Standards & Technology • Gaithersburg, MD

Sponsored by the NIST Engineering Laboratory

NIST

DRAFT AGENDA

September 13 ~ Optional Activities

- Outside Tour and Briefing ~ NIST's Net Zero Energy Residential Test Facility
- No-host Networking Dinner

Time	Activity
7:30 am	Registration and Continental Breakfast
8:30 am	Welcome and Workshop Purpose ~ NIST
8:45 am	Plenary Presentations Perspectives on the current standards environment for residential energy efficient building design <ul style="list-style-type: none">➤ NZE Residential Buildings Overview ~ Harvey Sachs, ACEEE➤ Regulatory Environment ~ David Lee, DOE➤ 90.2/189.1/Advanced Energy Design Guides ~ Merle McBride, Owens Corning/ASHRAE➤ IECC/IgCC ~ David Karmol, ICC➤ ICC 700/National Green Building Standard ~ Thomas Kenney, NAHB-RC➤ LEED for Homes ~ Brendan Owens, USGBC
9:45 am	Break
10:00 am	Plenary Presentations (continued) <ul style="list-style-type: none">➤ International Landscape ~ Anthony Quinn, ASTM➤ NZE Communities ~ Tom Liebel, AIA➤ Behavioral Perspective ~ Karen Ehrhardt-Martinez, University of Colorado➤ IAPMO GP&MCS ~ Pete DeMarco, IAPMO Q&A
10:45	Organize for Concurrent Breakout Sessions Topics: design challenges and tools • technology and equipment • owner needs and behavior <ul style="list-style-type: none">➤ Introduction of process, session reporters, and facilitators ~ Joan Pellegrino, Energetics
10:50 am	Breakout Round 1: What does the NZE home look like? Brainstorm future characteristics that are transformative compared to today's built environment
11:30 am	Breakout Round 2: Broad Challenges & Barriers Identify the challenges and barriers to design and construction of NZE or "net-zero ready" homes
12:30 pm	Lunch
1:30 pm	Breakout Round 3: Key characteristics of NZE design Assemble a list of areas where a guidance document/tool would influence NZE home construction
15 mins.	Flexible Break (groups break as needed)
2:45 pm	Breakout Round 4: Priority program elements of the NZE home framework Develop program elements for the top 10 design aspects and define basic framework
4:30 pm	Closing Plenary <ul style="list-style-type: none">➤ Breakout Group Reports➤ Final comments, next steps
5:00 pm	Workshop Adjourns